

100  
→

Sample MDX Query Statement

```
Select NON EMPTY {[Customers].[All Customers]} On Columns, NON EMPTY {[Education Level].[All Education Level], [Education Level].[All Education Level].[Bachelors Degree], [Education Level].[All Education Level].[Graduate Degree], [Education Level].[All Education Level].[High School Degree], [Education Level].[All Education Level].[Partial College], [Education Level].[All Education Level].[Partial High School]} On Rows From [Sales]
```

Sample Report Script Query Statement

```
{TABDELIMIT} {DECIMAL 10} <QUOTEMBRNAMES {OUTMBRNAME} {MISSINGTEXT "0"}  
<ROW("Periods") <COLUMN("Chart of Accounts") <DUPLICATE "Chart of Accounts"  
<DUPLICATE "p Begin Bal" <DUPLICATE "p Qtr1" <DUPLICATE "p Qtr2" <DUPLICATE "p  
Qtr3" <DUPLICATE "p Qtr4" <DUPLICATE "p Qtr1YTD" <DUPLICATE "p Qtr2YTD"  
<DUPLICATE "p Qtr3YTD" <DUPLICATE "p Qtr4YTD" <DUPLICATE "Periods" !
```

FIG. 1  
(BACKGROUND ART)

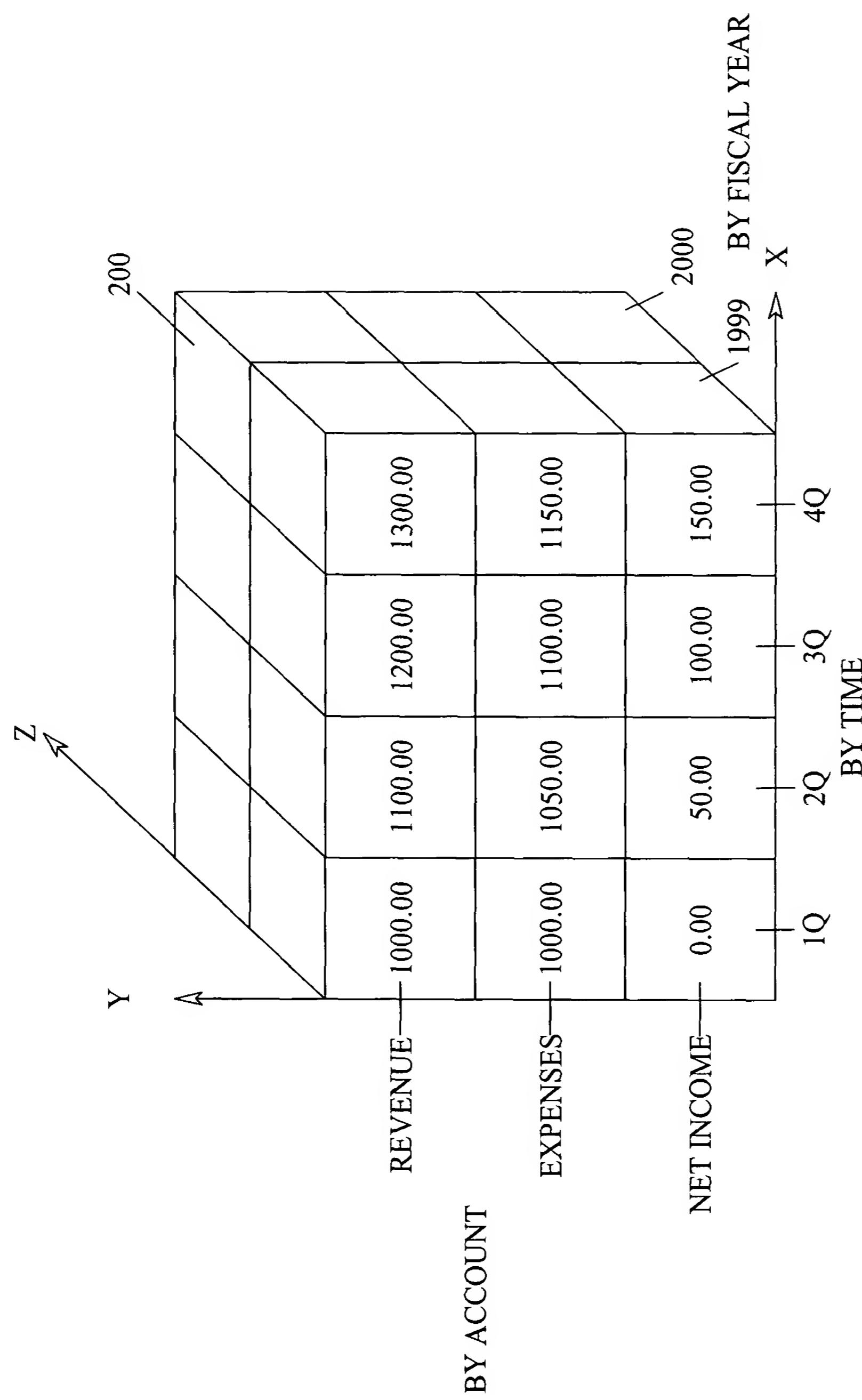


FIG. 2

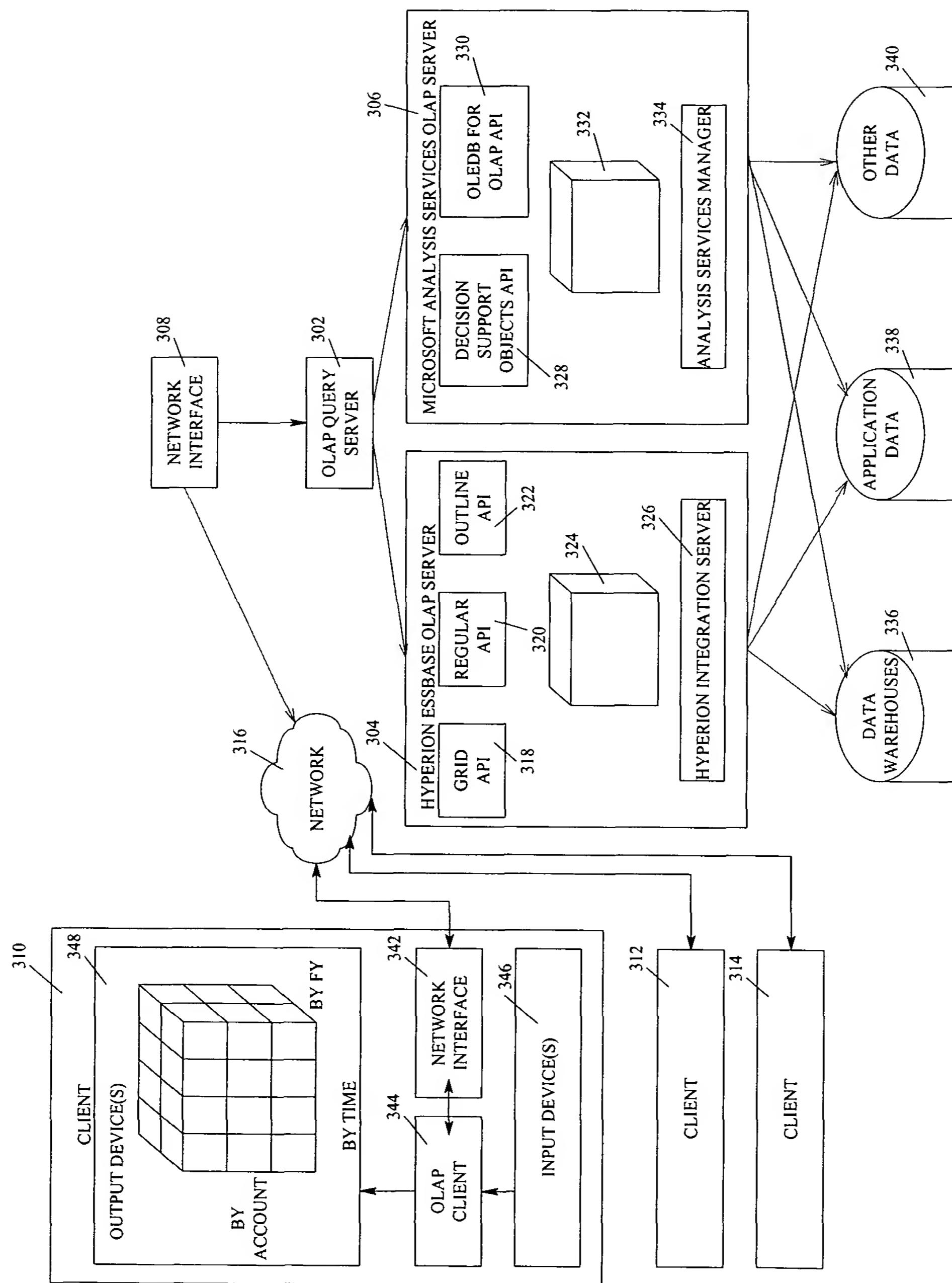


FIG. 3

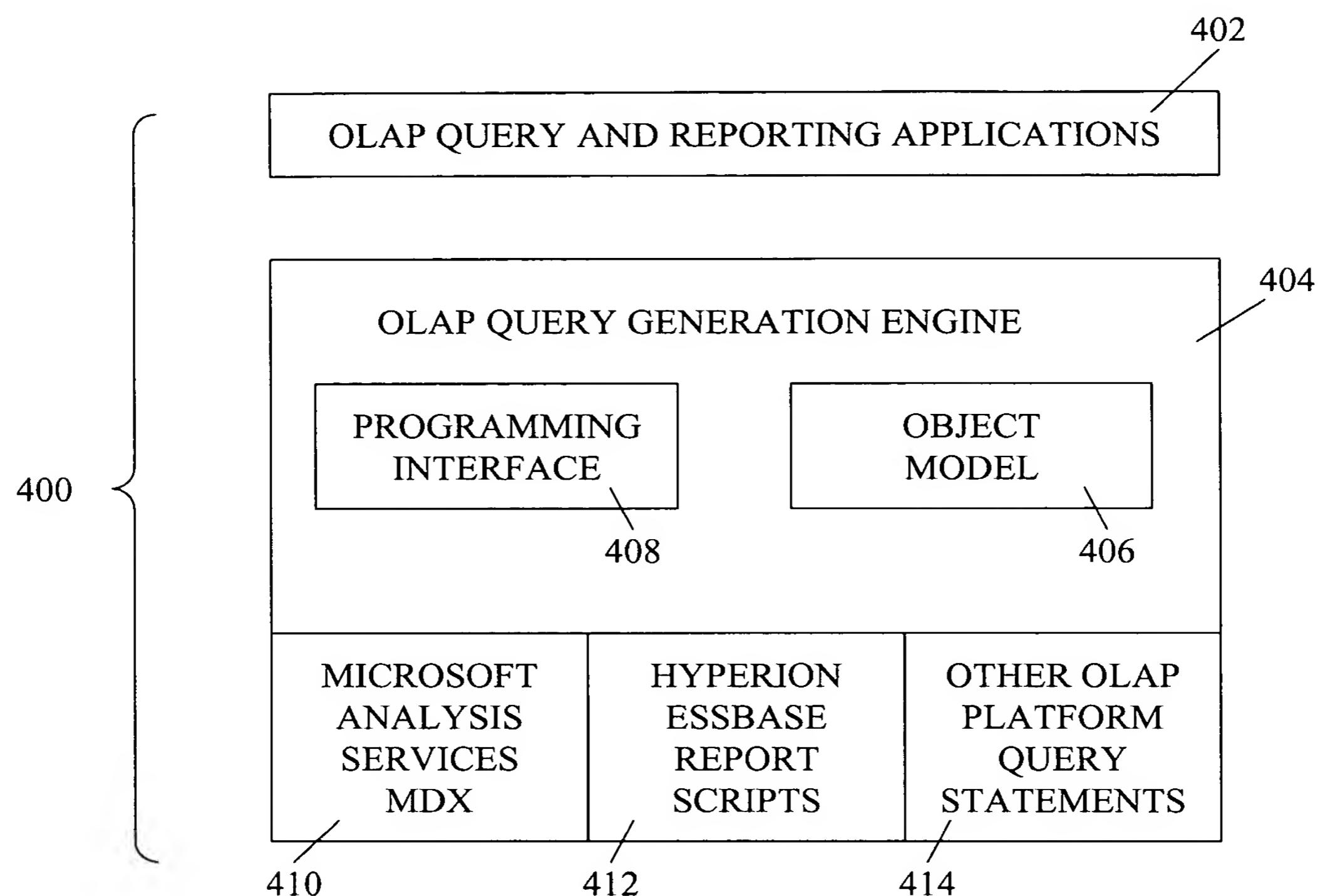


FIG. 4

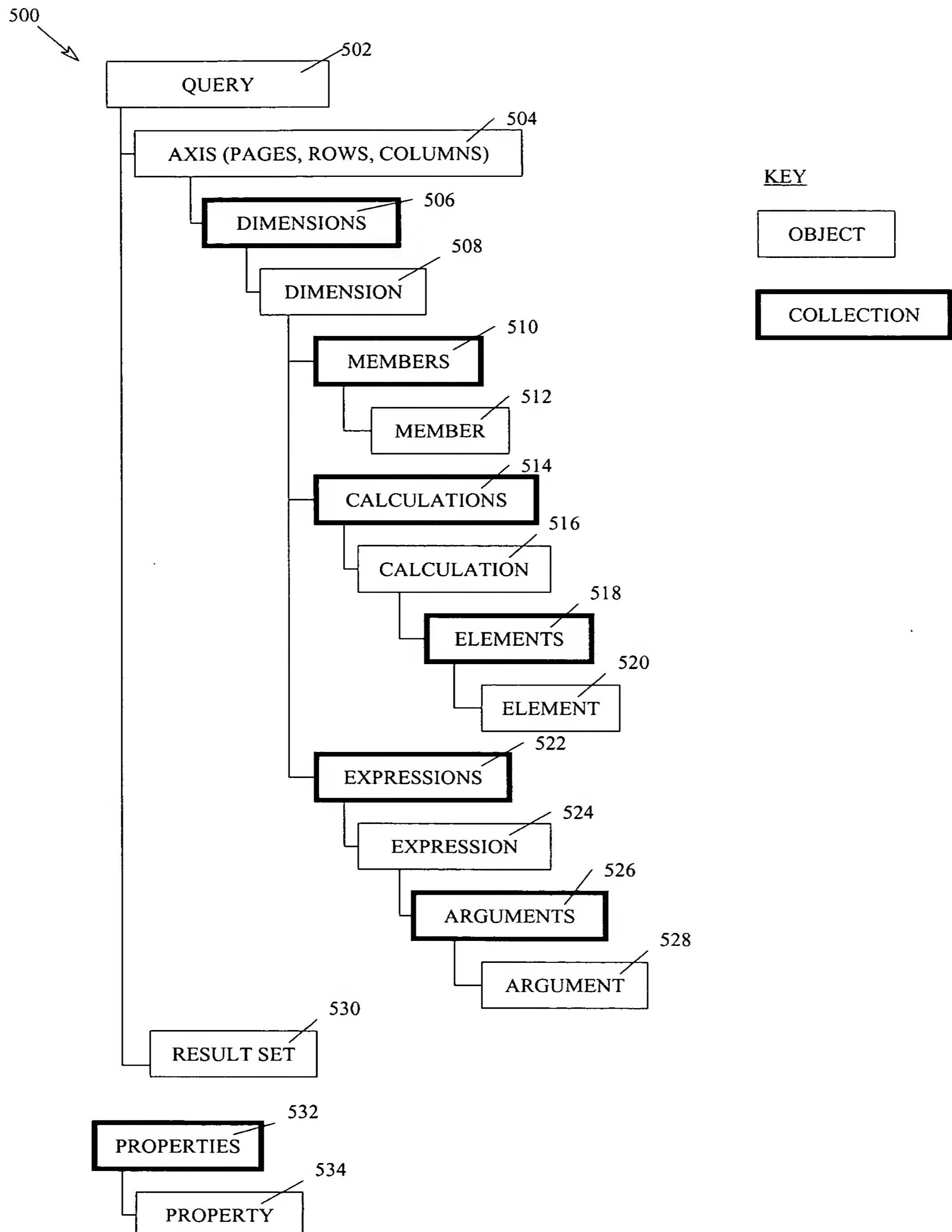


FIG. 5

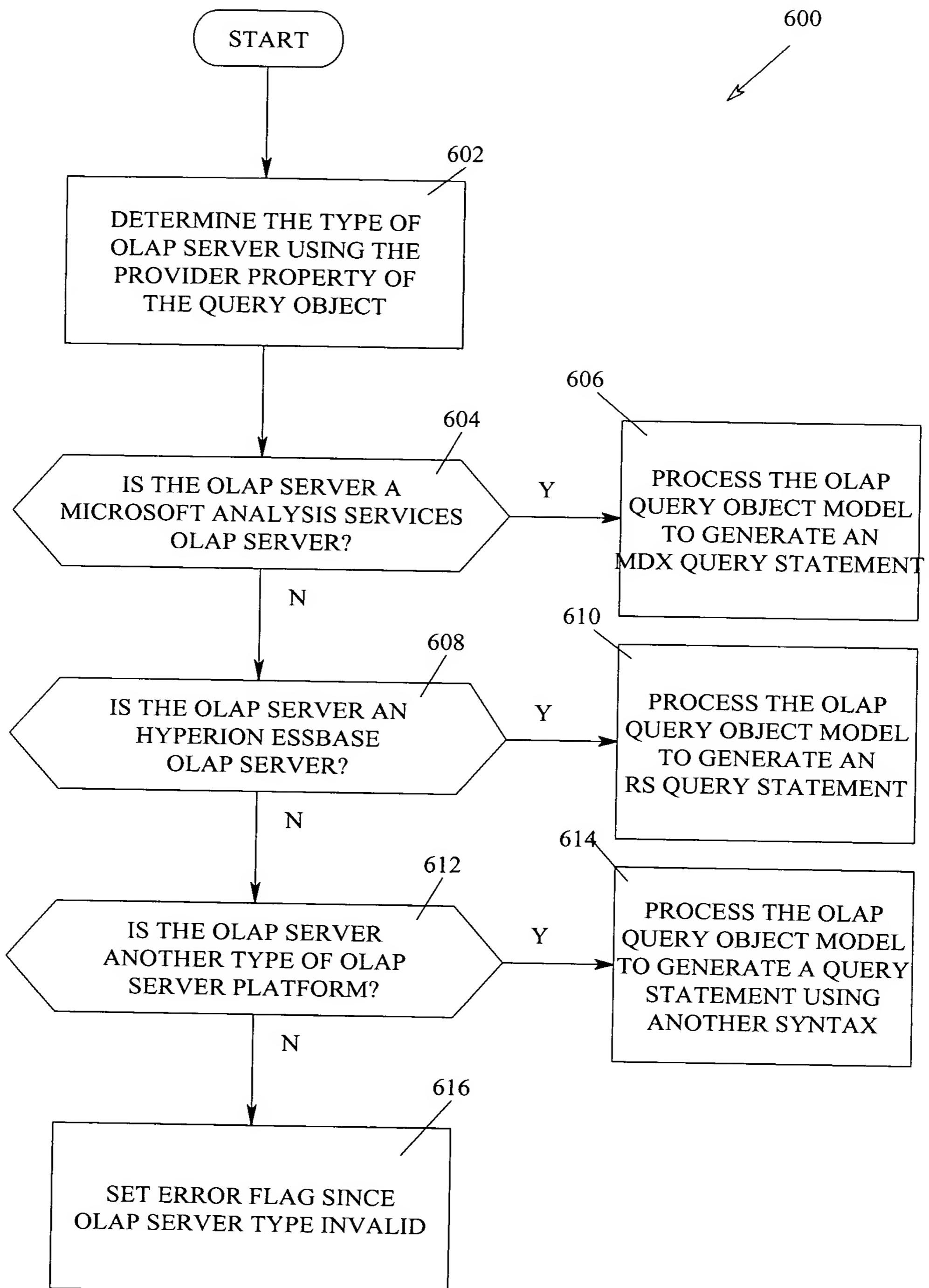


FIG. 6

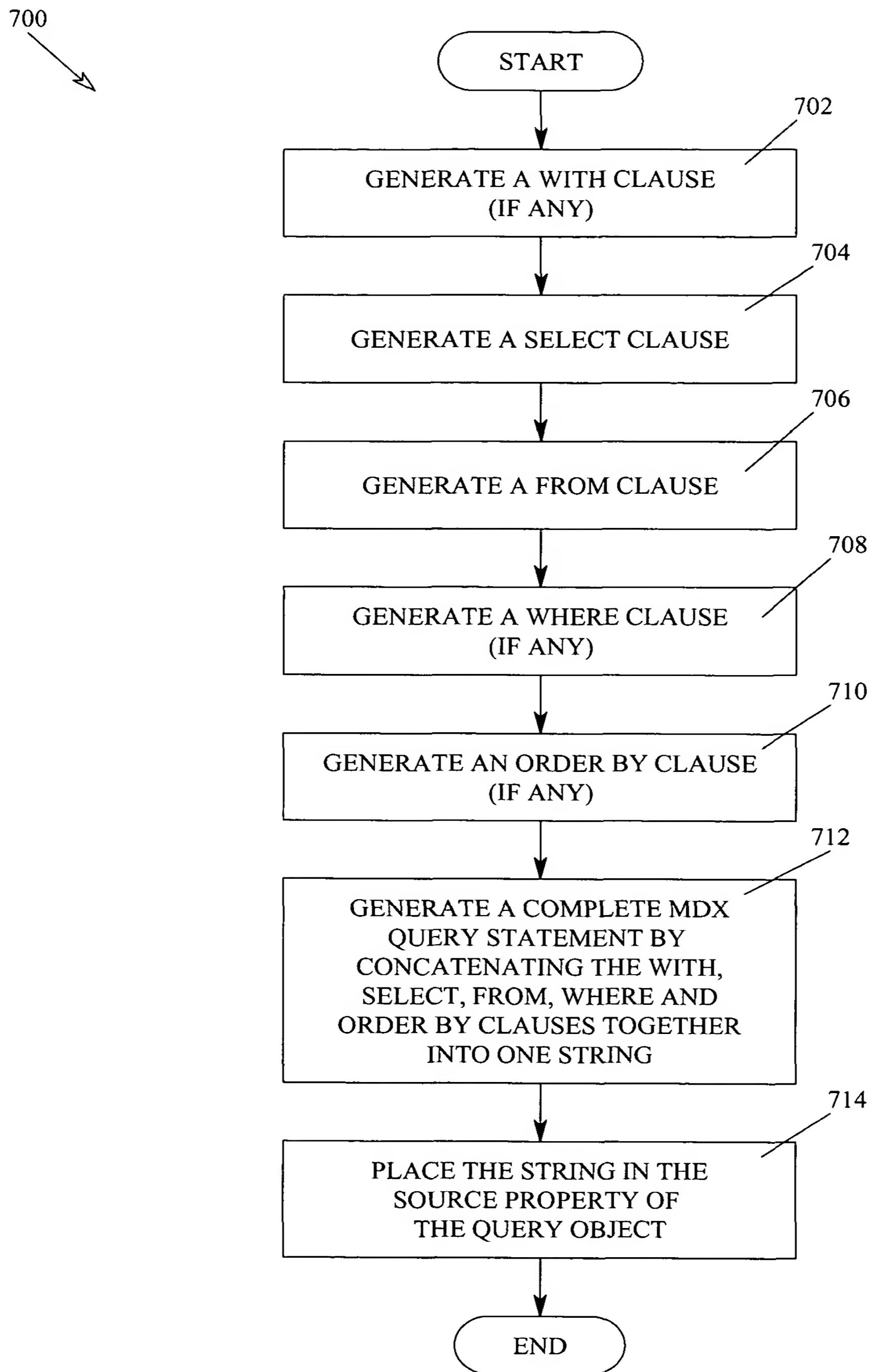


FIG. 7

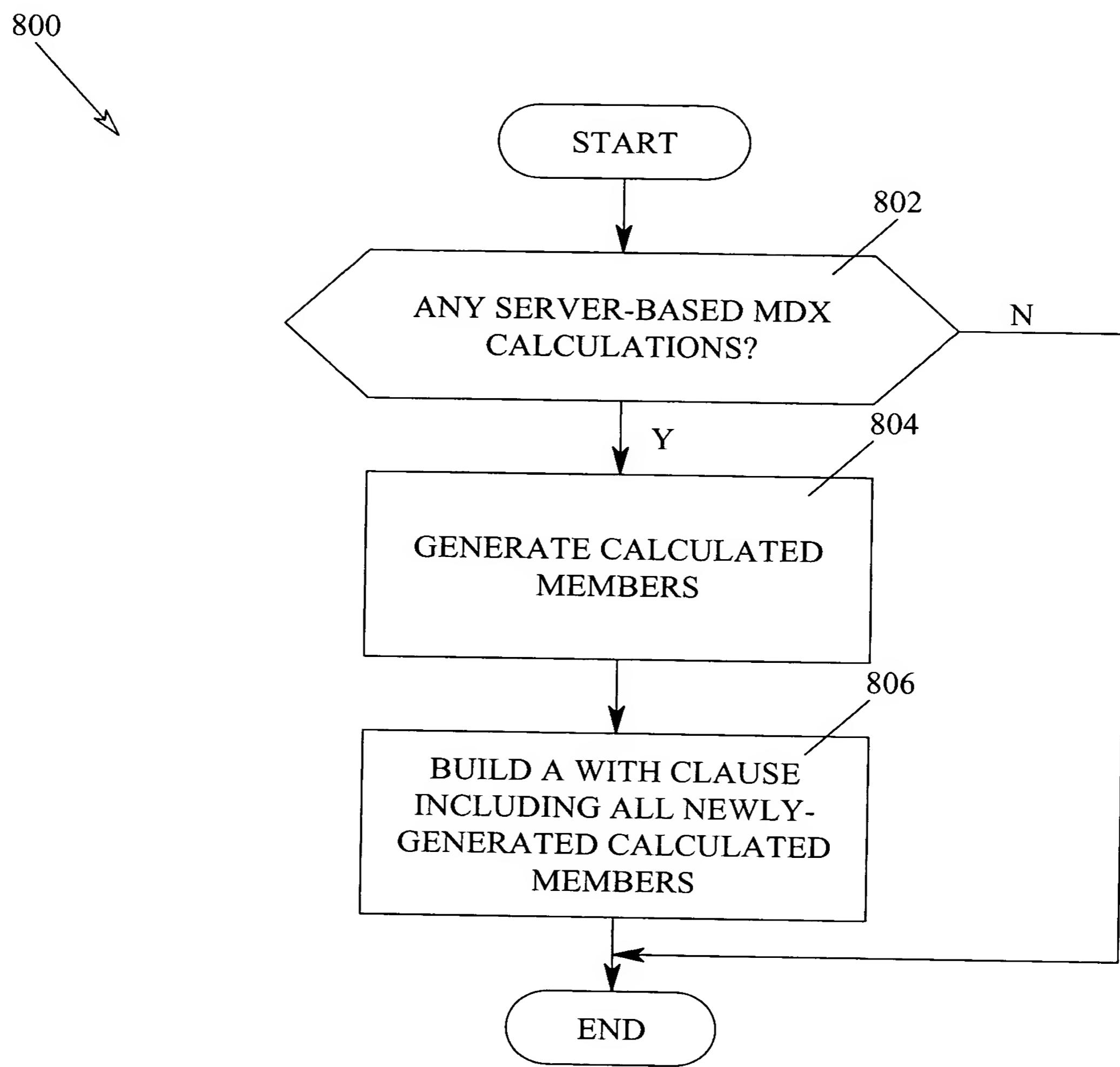


FIG. 8

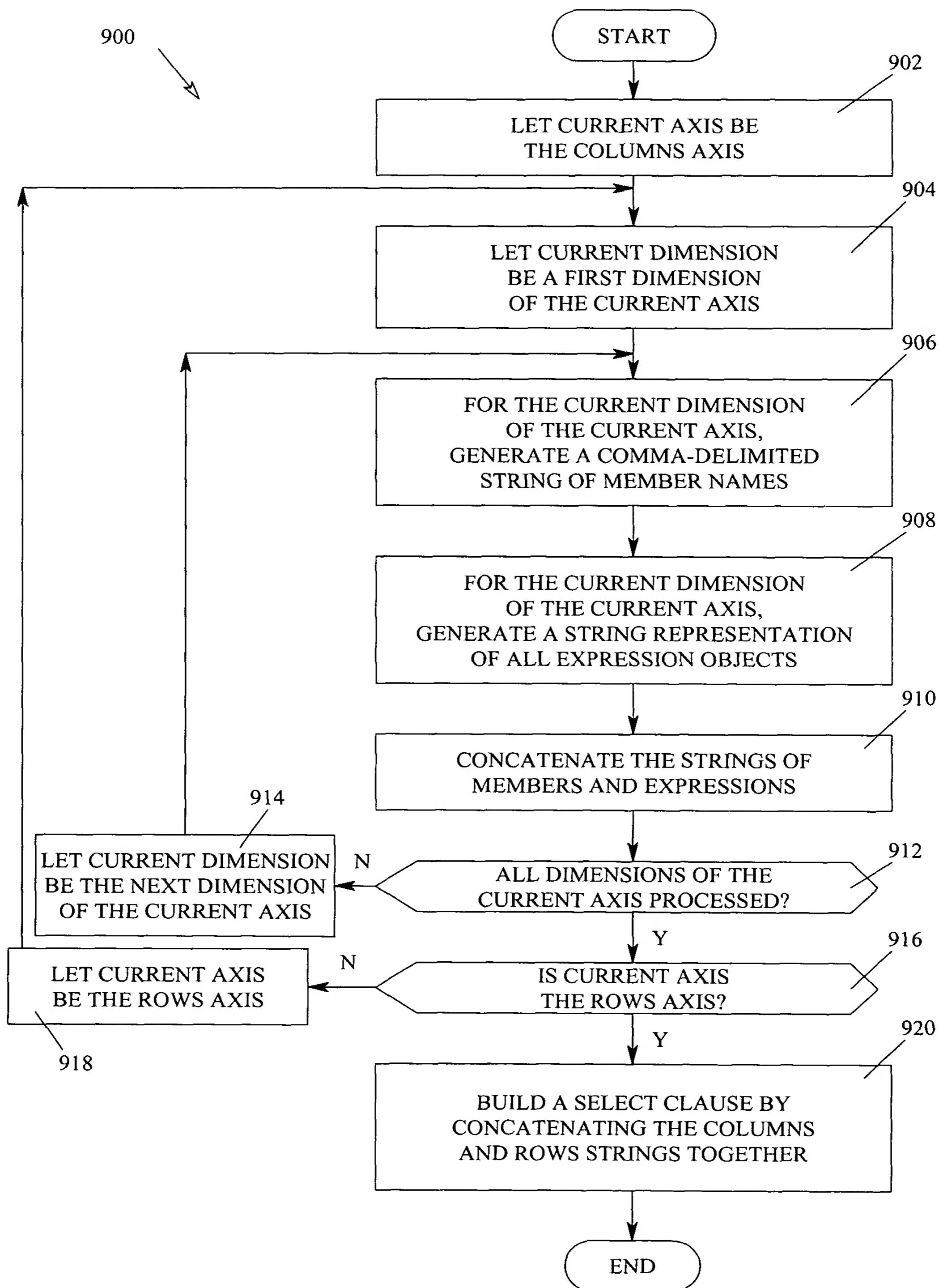


FIG. 9

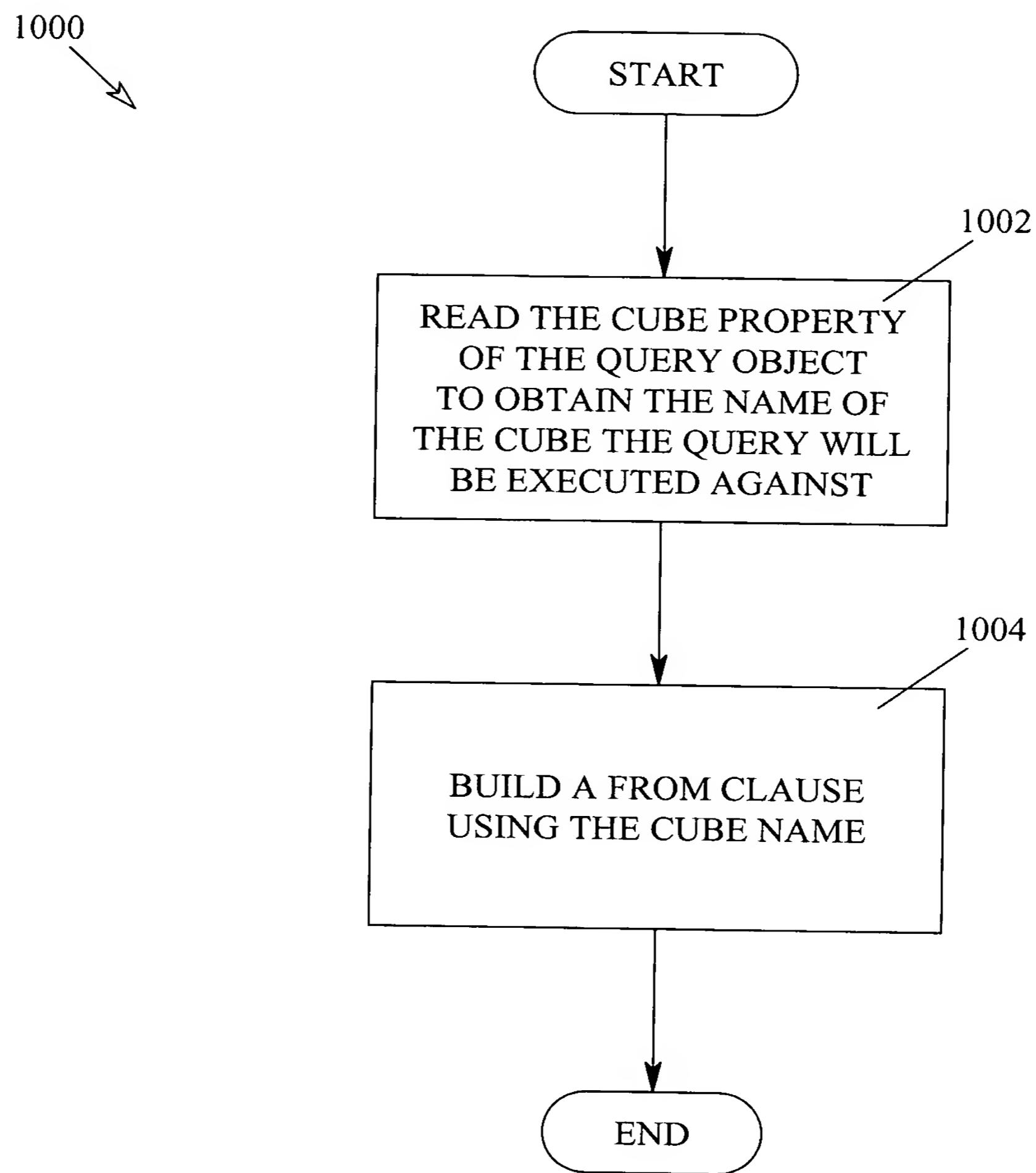


FIG. 10

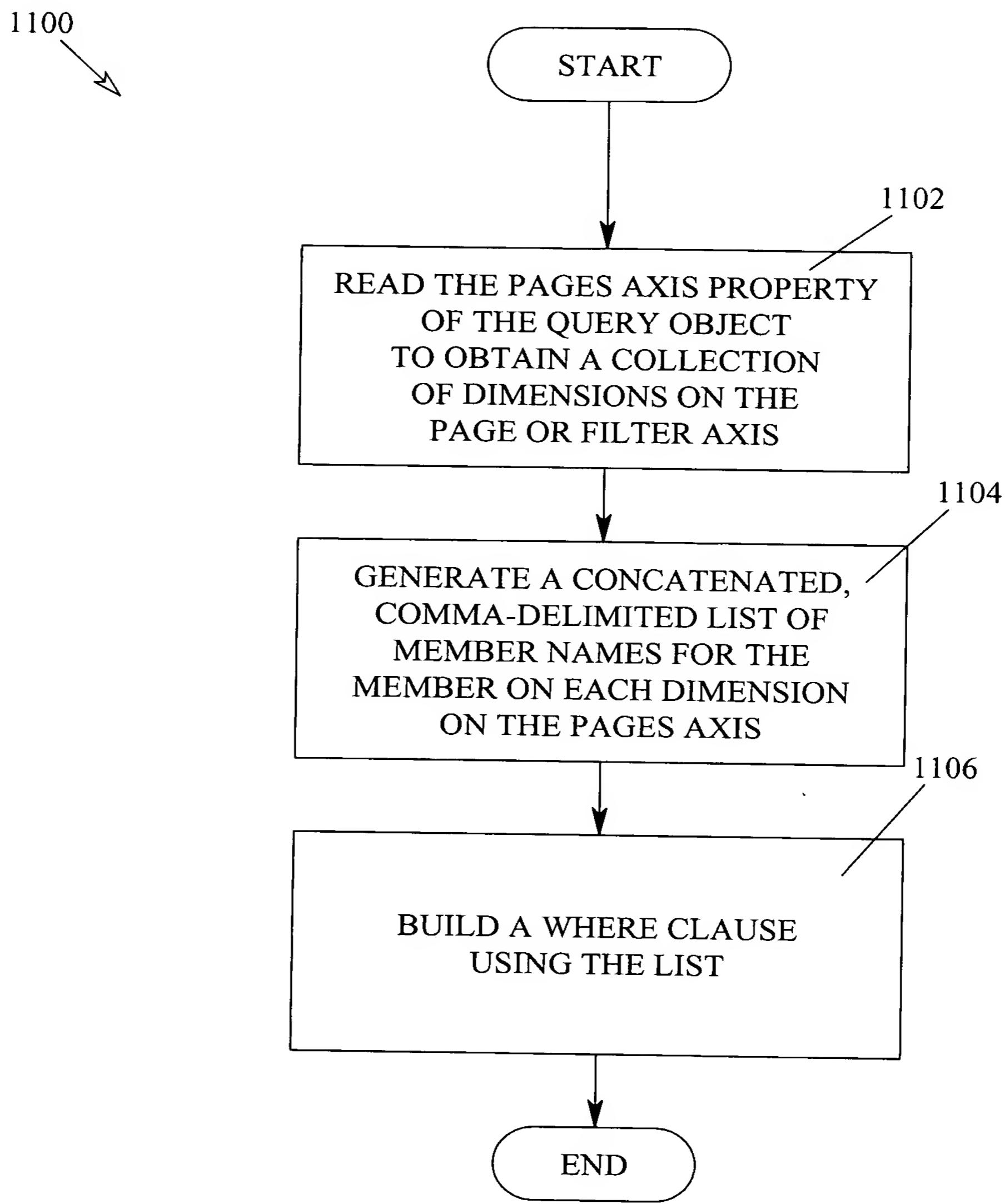


FIG. 11

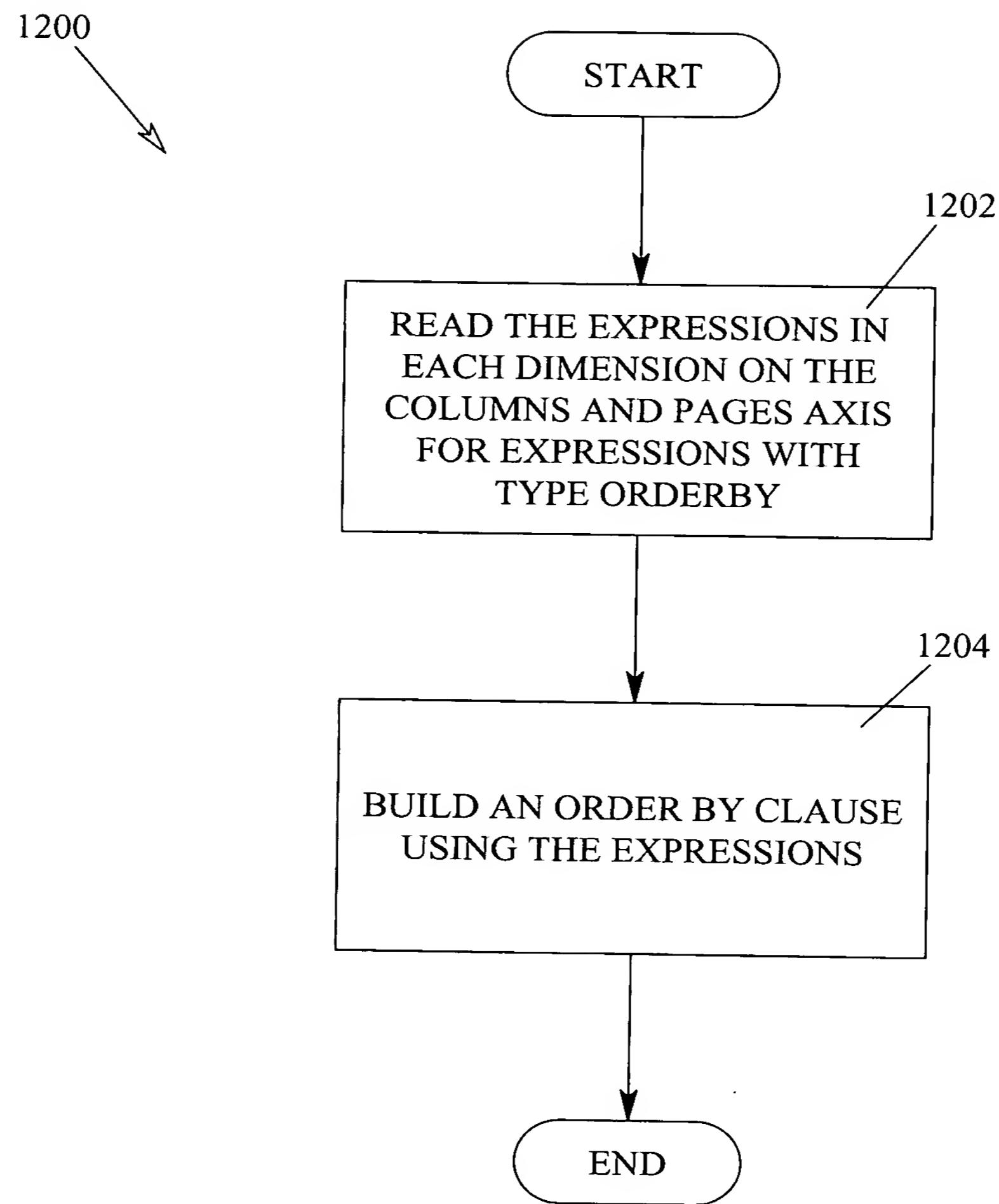


FIG. 12

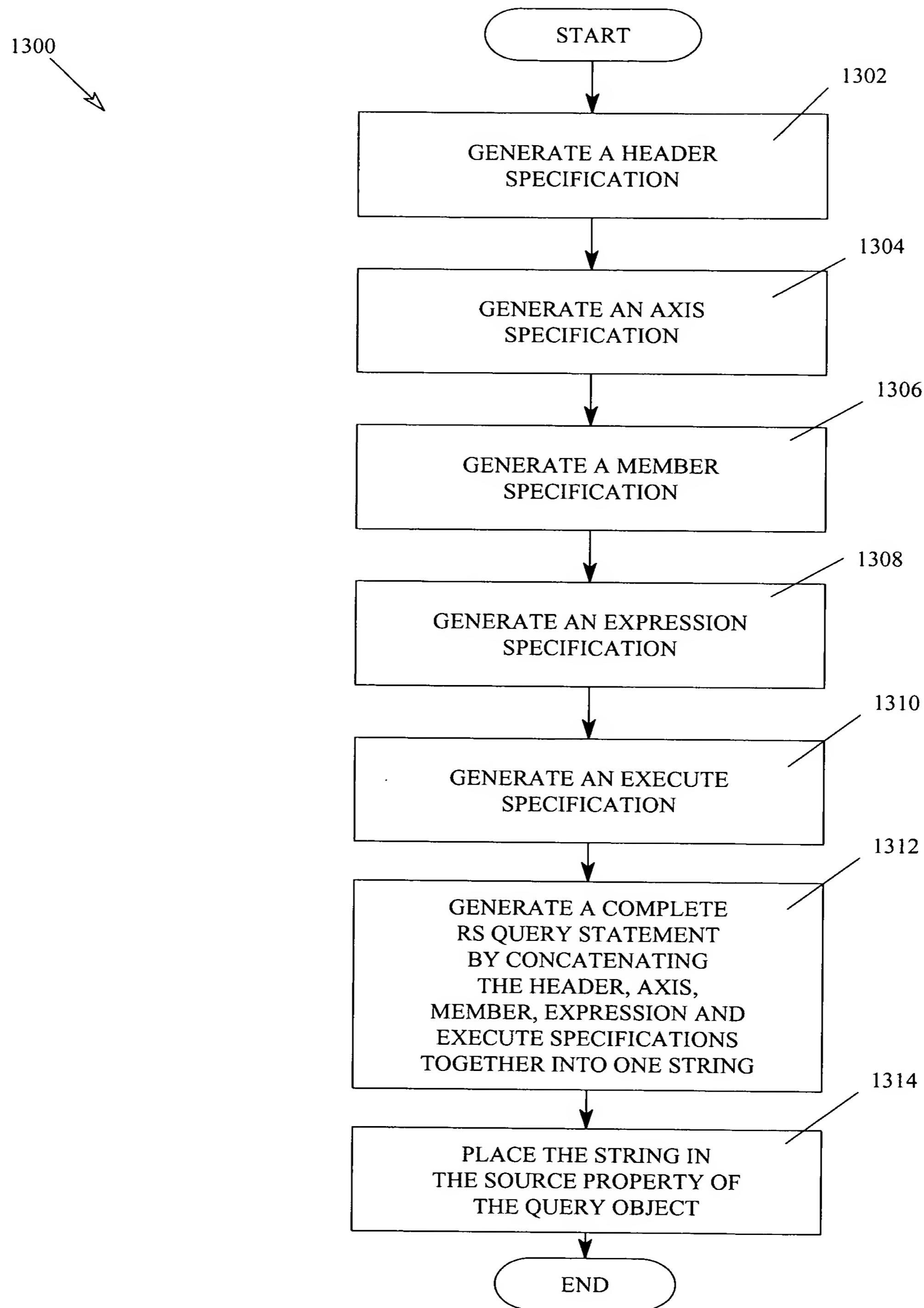


FIG. 13

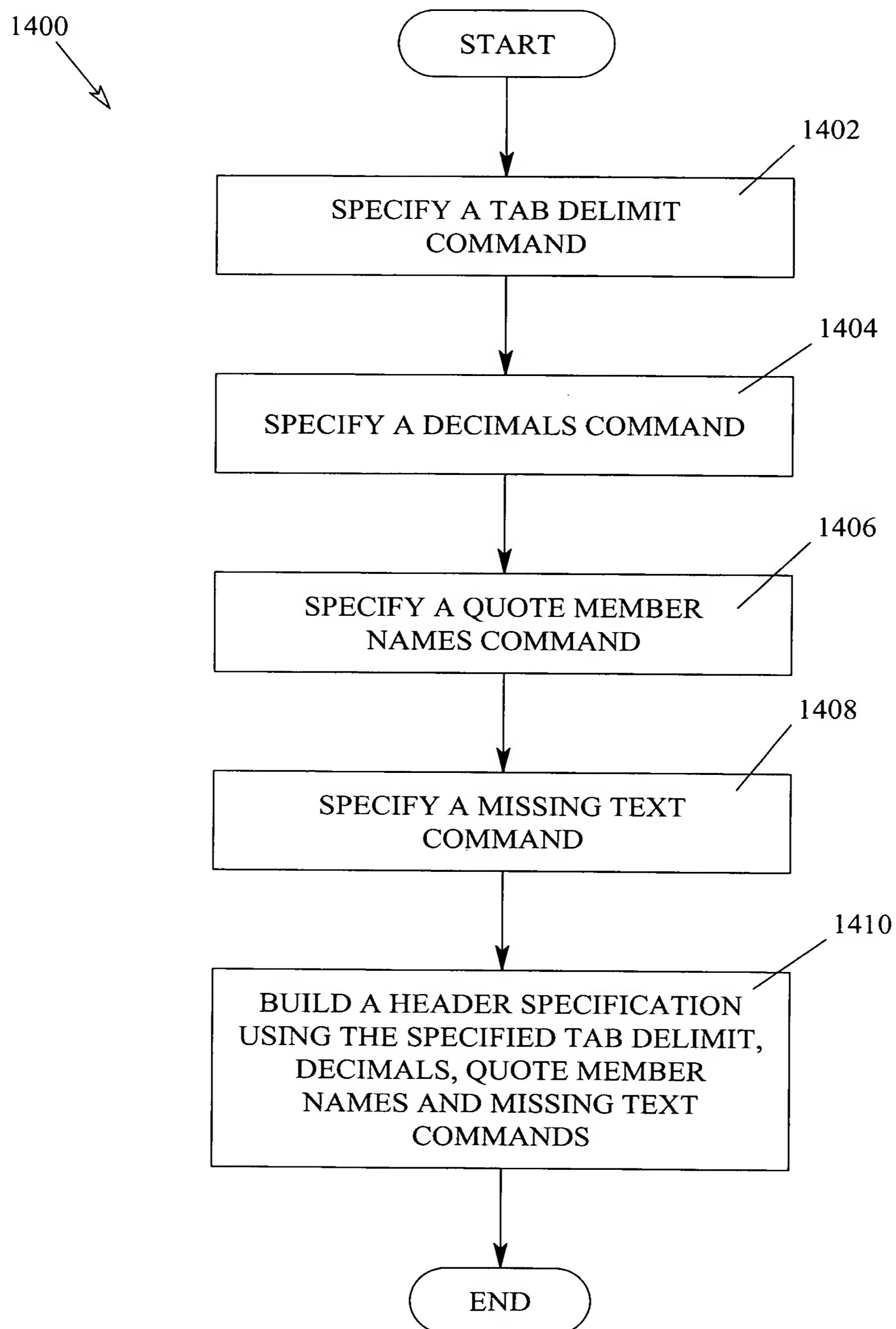


FIG. 14

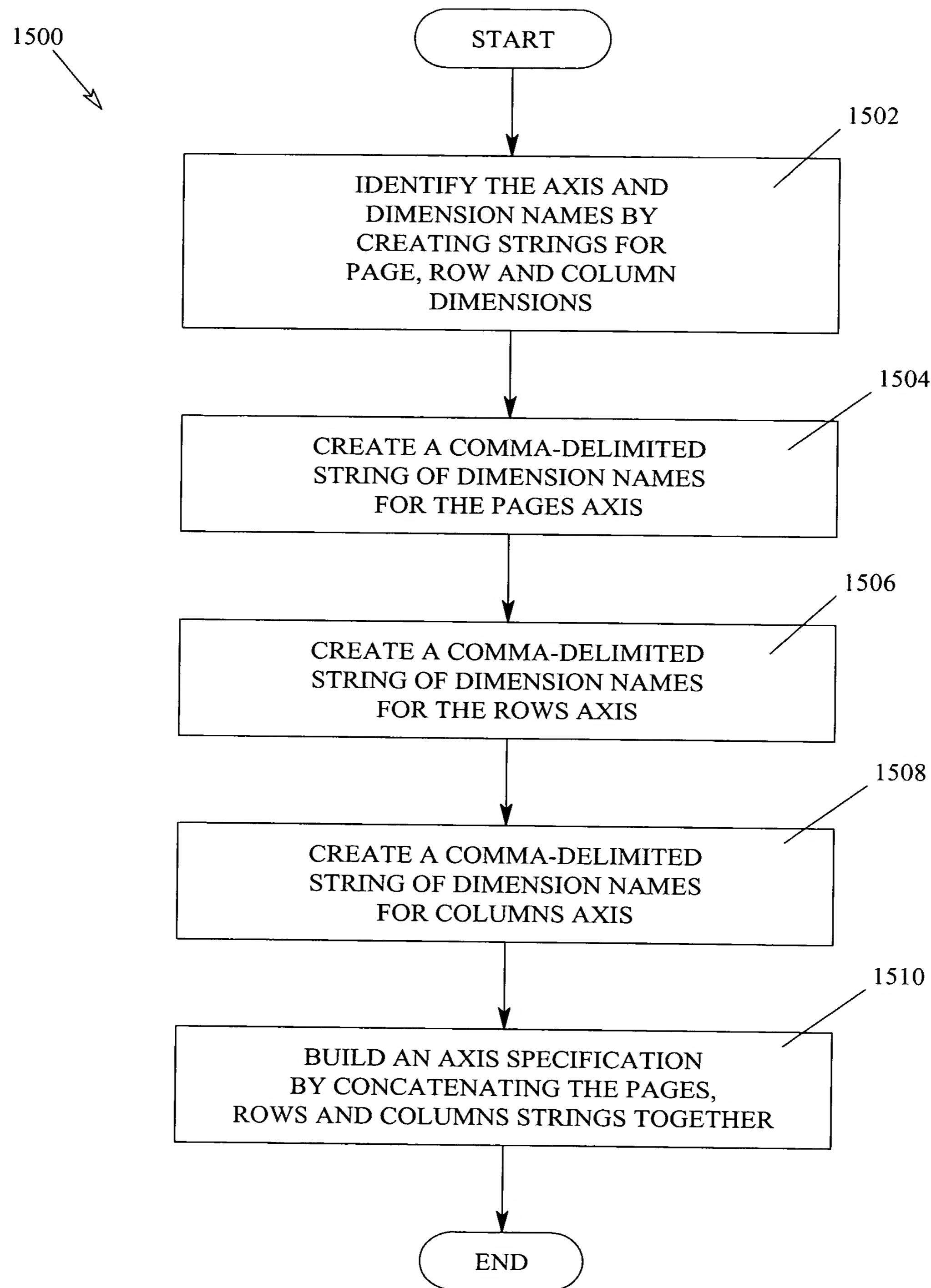


FIG. 15

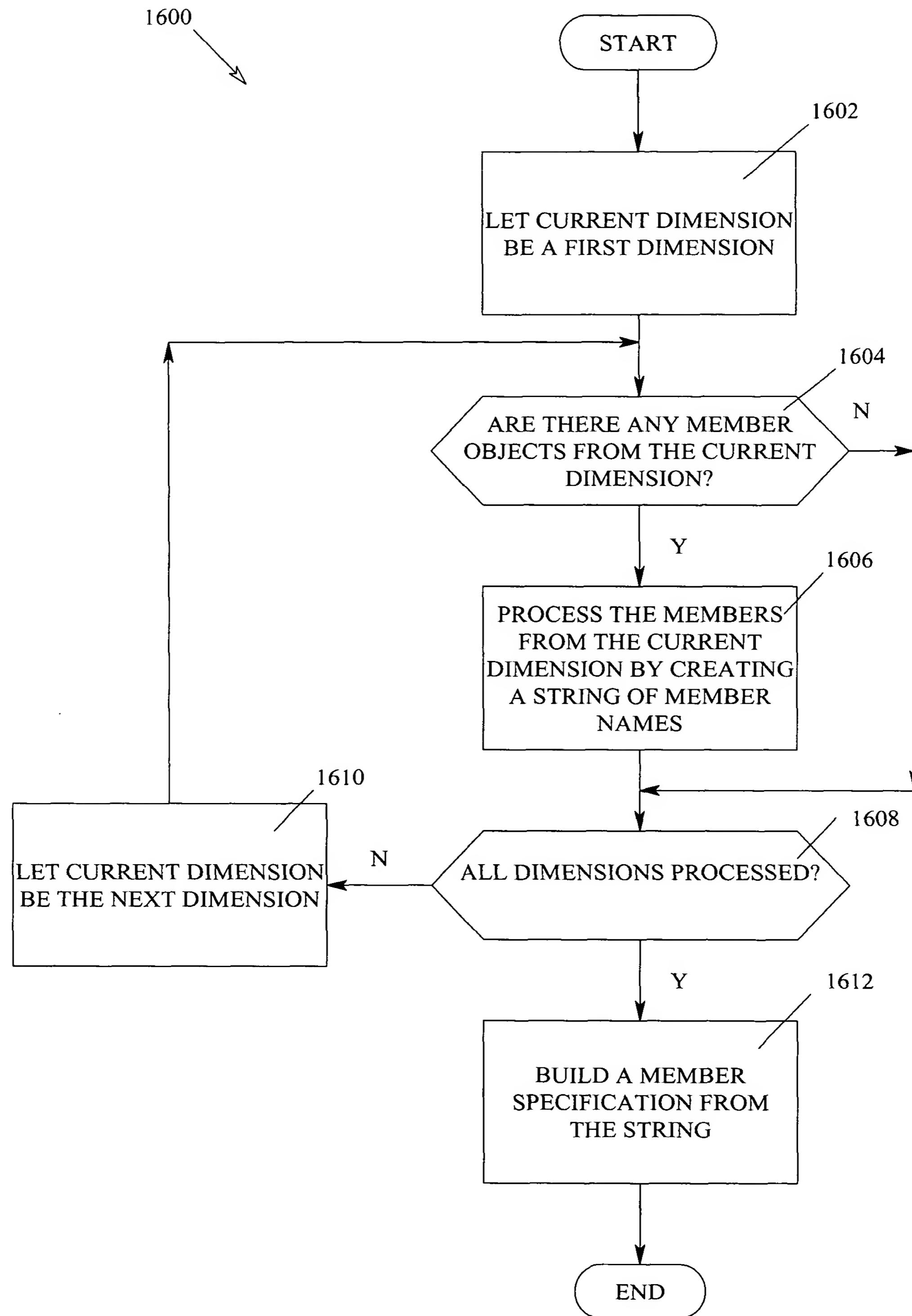


FIG. 16

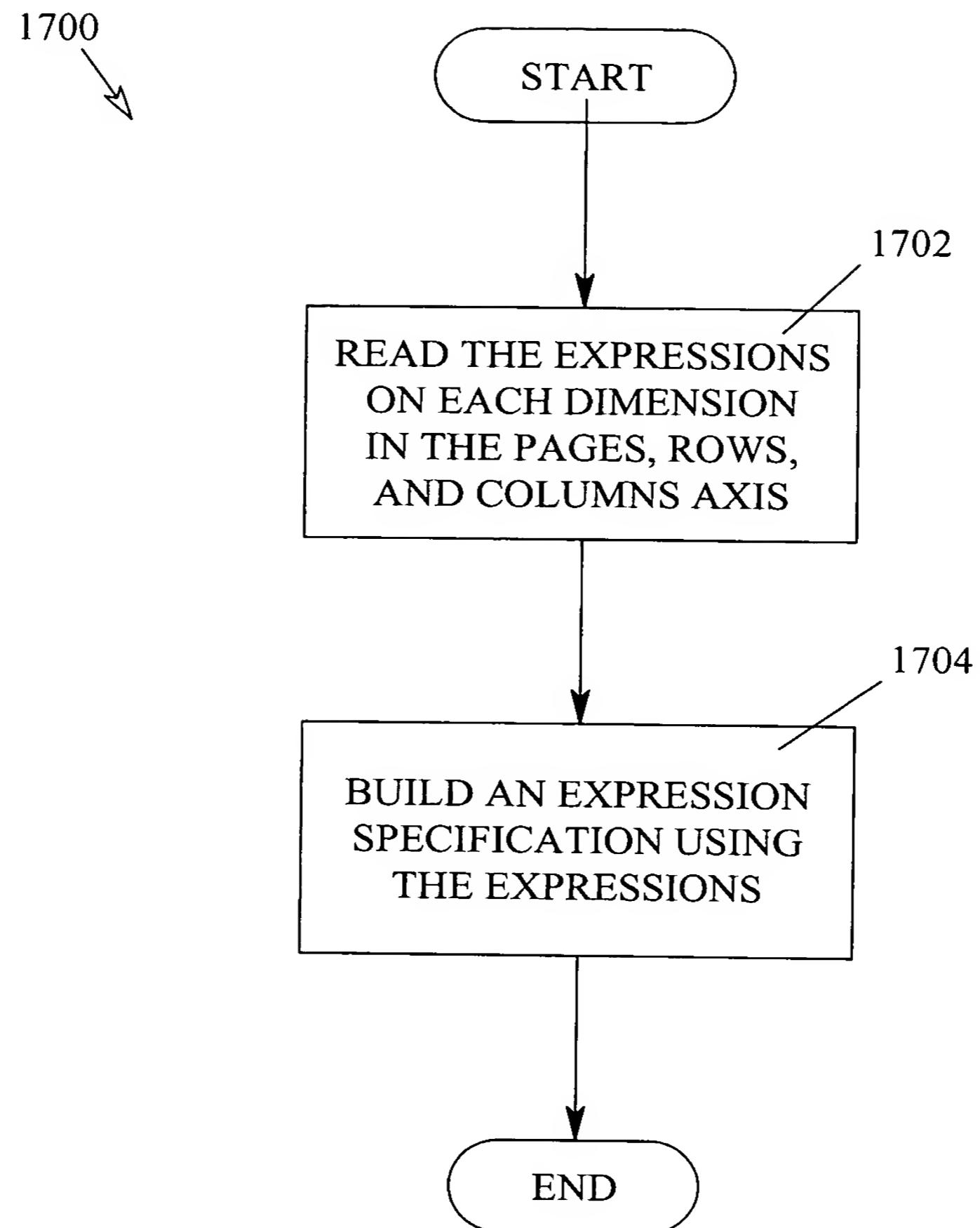


FIG. 17

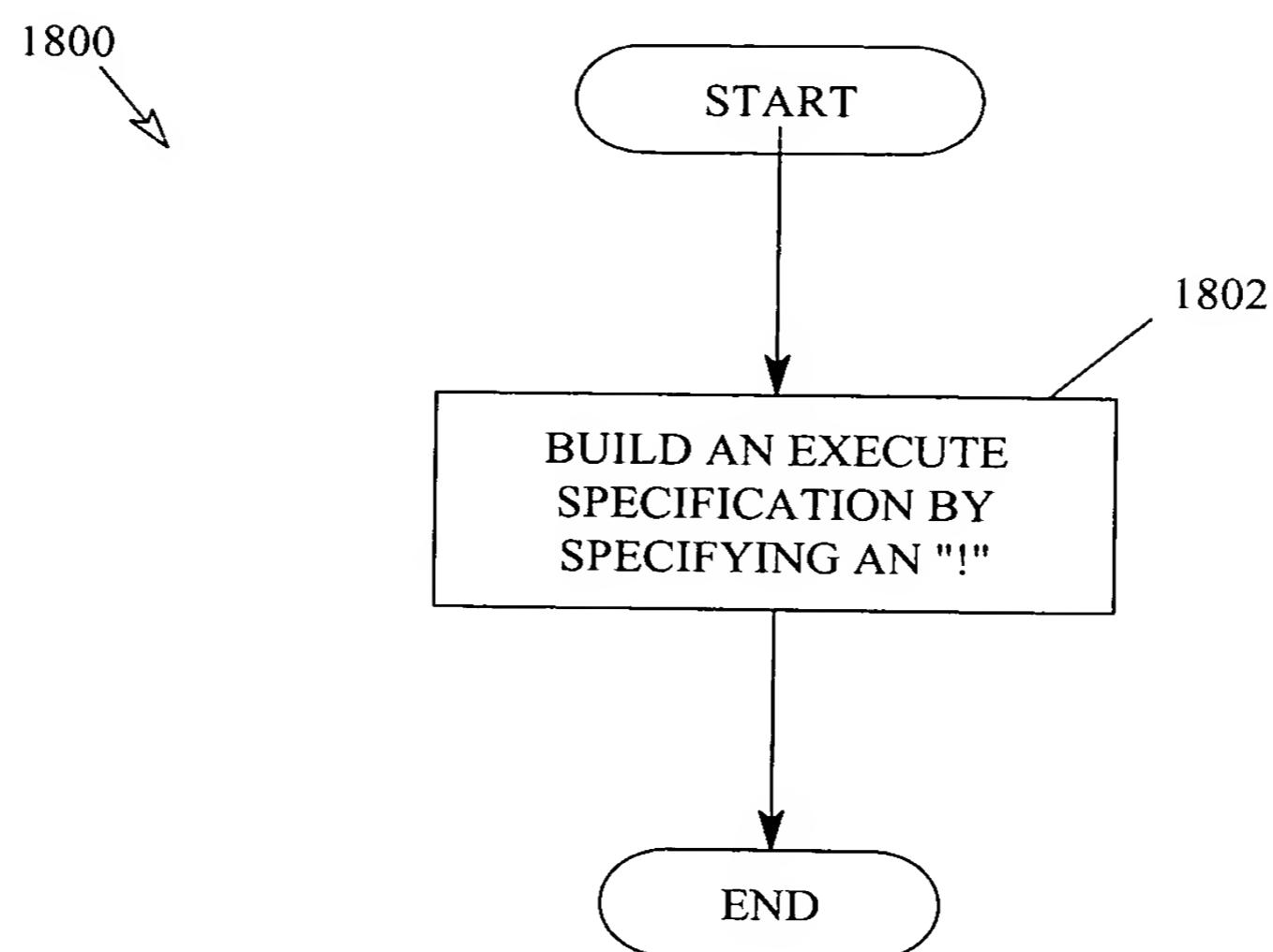


FIG. 18

1900



FUNCTION	DESCRIPTION
DRILL	DRILL UP OR DOWN ON A MEMBER
PIVOT	MOVE A DIMENSION FROM ONE AXIS TO ANOTHER
KEEP ONLY	KEEP ONLY THE SELECTED MEMBER(S) FOR THE DIMENSION
REMOVE ONLY	REMOVE ONLY THE SELECTED MEMBER(S) FOR THE DIMENSION

FIG. 19

2000



FUNCTION	PROCESS
DRILL	SET THE <i>RELATIONSHIP</i> (CHILDREN, PARENT, ETC.) PROPERTY ON THE SELECTED MEMBER TO A DRILL OPTION, AND THEN RE-CREATE THE QUERY STATEMENT. FOR SPECIAL DRILL OPTIONS (LIKE DRILL TO ANCESTORS, OR DESCENDANTS), AN EXPRESSION OBJECT MAY BE MORE USEFUL AS IT ALLOWS THE INCLUSION OF ADDITIONAL ARGUMENTS TO SUPPORT THE DRILLING OPERATION.
PIVOT	REMOVE THE SELECTED DIMENSION FROM ITS CURRENT AXIS AND ADD IT TO THE TARGET AXIS. NOTE, THE USER MAY ALSO OPTIONALY SPECIFY AN ORDINAL AT WHICH TO ADD THE DIMENSION. THIS DRIVES THE ORDER OF ALL DIMENSIONS ON THE AXIS. NOTE, THE "FROM" AND "TO" AXIS MAY BE THE SAME IF THE USER IS SIMPLY RE-ORDERING THE DIMENSIONS ON THE AXIS. RE-CREATE THE QUERY STATEMENT.
KEEP ONLY	REMOVE ALL MEMBERS EXCEPT THE SELECTED MEMBER(S) FROM THE AFFECTED DIMENSION. THEN, RE-CREATE THE QUERY STATEMENT.
REMOVE ONLY	REMOVE ONLY THE MEMBER(S) SPECIFIED FROM THE AFFECTED DIMENSION. THEN RE-CREATE THE QUERY STATEMENT.

FIG. 20

2100



AXIS COLLECTION	DIMENSION	MEMBER
ROWS	ACCOUNTS	REVENUE
		EXPENSES
		NET INCOME
	TIME	QUARTER 1
		QUARTER 2
		QUARTER 3
		QUARTER 4
COLUMNS	FISCAL YEARS	1999
		2000

FIG. 21

2200



		<b>1999</b>	<b>2000</b>
<b>REVENUE</b>	<b>QUARTER 1</b>	1000.00	1400.00
	<b>QUARTER 2</b>	1100.00	1500.00
	<b>QUARTER 3</b>	1200.00	1600.00
	<b>QUARTER 4</b>	1300.00	1700.00
<b>EXPENSES</b>	<b>QUARTER 1</b>	1000.00	1200.00
	<b>QUARTER 2</b>	1050.00	1250.00
	<b>QUARTER 3</b>	1100.00	1300.00
	<b>QUARTER 4</b>	1150.00	1350.00
<b>NET INCOME</b>	<b>QUARTER 1</b>	0.00	200.00
	<b>QUARTER 2</b>	50.00	250.00
	<b>QUARTER 3</b>	100.00	300.00
	<b>QUARTER 4</b>	150.00	350.00

**FIG. 22**

2300



AXIS COLLECTION	DIMENSION	MEMBER
ROWS	TIME	QUARTER 1
		QUARTER 2
		QUARTER 3
		QUARTER 4
	ACCOUNTS	REVENUE
		EXPENSES
		NET INCOME
COLUMNS	FISCAL YEARS	1999
		2000

FIG. 23

2400



		<b>1999</b>	<b>2000</b>
<b>QUARTER 1</b>	<b>REVENUE</b>	1000.00	1400.00
	<b>EXPENSES</b>	1000.00	1200.00
	<b>NET INCOME</b>	0.00	200.00
<b>QUARTER 2</b>	<b>REVENUE</b>	1100.00	1500.00
	<b>EXPENSES</b>	1050.00	1250.00
	<b>NET INCOME</b>	50.00	250.00
<b>QUARTER 3</b>	<b>REVENUE</b>	1200.00	1600.00
	<b>EXPENSES</b>	1100.00	1300.00
	<b>NET INCOME</b>	100.00	300.00
<b>QUARTER 4</b>	<b>REVENUE</b>	1300.00	1700.00
	<b>EXPENSES</b>	1150.00	1350.00
	<b>NET INCOME</b>	150.00	350.00

FIG. 24

2500



AXIS COLLECTION	DIMENSION	MEMBER
ROWS	TIME	QUARTER 1
		QUARTER 2
		QUARTER 3
		QUARTER 4
COLUMNS	FISCAL YEARS	1999
		2000
	ACCOUNTS	REVENUE
		EXPENSES
		NET INCOME

FIG. 25

2600



		1999			2000	
	REVENUE	EXPENSES	NET INCOME	REVENUE	EXPENSES	NET INCOME
QUARTER 1	1000.00	1000.00	0.00	1400.00	1200.00	200.00
QUARTER 2	1100.00	1050.00	50.00	1500.00	1250.00	250.00
QUARTER 3	1200.00	1100.00	100.00	1600.00	1300.00	300.00
QUARTER 4	1300.00	1150.00	150.00	1700.00	1350.00	350.00

FIG. 26

2700



		<b>1999</b>			<b>2000</b>	
	<b>REVENUE</b>	EXPENSES	NET INCOME	<b>REVENUE</b>	EXPENSES	NET INCOME
QUARTER 1	<b>1000.00</b>	1000.00	0.00	<b>1400.00</b>	1200.00	200.00
QUARTER 2	<b>1100.00</b>	1050.00	50.00	<b>1500.00</b>	1250.00	250.00
QUARTER 3	<b>1200.00</b>	1100.00	100.00	<b>1600.00</b>	1300.00	300.00
QUARTER 4	<b>1300.00</b>	1150.00	150.00	<b>1700.00</b>	1350.00	350.00

FIG. 27